WE CLAIM:

1. A method, comprising:

incrementing a port transmission rate using a variable resolution; and

transmitting data through the port using the incremented port transmission rate.

2. The method of claim 1, wherein the resolution is a function of the rate.

3. The method of claim 2, wherein the resolution is inversely proportional to the rate.

4. The method of claim 2, wherein the resolution decreases exponentially as the rate increases.

5. The method of claim 1, wherein the resolution is a function of segmented rate ranges.

6. The method of claim 5, wherein the resolution is 64 Kbps in a first range, 1 Mbps in a second range, and 8 Mbps in a third range.

7. The method of claim 5, wherein a first range ranges from 0 Kbps to 2 Mbps, a second range ranges from 2 Mbps to 100 Mbps, and third range ranges from 100 Mbps to 1000 Mbps.

8. A data transmission rate control system, comprising:

means for incrementing a port transmission rate using a variable resolution; and

means for transmitting data through the port using the incremented port transmission rate.

9. A data transmission rate control system, comprising:

a rate setting engine capable of incrementing a port transmission rate using a variable resolution; and

a transmission engine, communicatively coupled to the rate setting engine, capable of transmitting data through the port using the incremented port transmission rate.

10. The system of claim 9, wherein the resolution is a function of the rate.

11. The system of claim 10, wherein the resolution is inversely proportionally related to the rate.

12. The system of claim 10, wherein the resolution decreases exponentially as the rate increases.

13. The system of claim 9, wherein the resolution is a function of segmented rate ranges.

14. The system of claim 13, wherein the resolution is 64 Kbps in a first range, 1 Mbps in a second range, and 8 Mbps in a third range.

15. The system of claim 13, wherein a first range ranges from 0 Kbps to 2 Mbps, a second range ranges from 2 Mbps to 100 Mbps, and third range ranges from 100 Mbps to 1000 Mbps.

16. A computer-readable medium having stored thereon instructions to cause a processor to execute a method, the method comprising:

incrementing a port transmission rate using a variable resolution; and

transmitting data through the port using the incremented port transmission rate.

17. The computer-readable medium of claim 16, wherein the resolution is a function of the rate.

18. The computer-readable medium of claim 17, wherein the resolution is inversely proportional to the rate.

19. The computer-readable medium of claim 17, wherein the resolution decreases exponentially as the rate increases.

20. The computer-readable medium of claim 16, wherein the resolution is a function of segmented rate ranges.

21. The computer-readable medium of claim 20, wherein the resolution is 64 Kbps in a first range, 1 Mbps in a second range, and 8 Mbps in a third range.

22. The computer-readable medium of claim 20, wherein a first range ranges from 0 Kbps to 2 Mbps, a second range ranges from 2 Mbps to 100 Mbps, and third range ranges from 100 Mbps to 1000 Mbps.